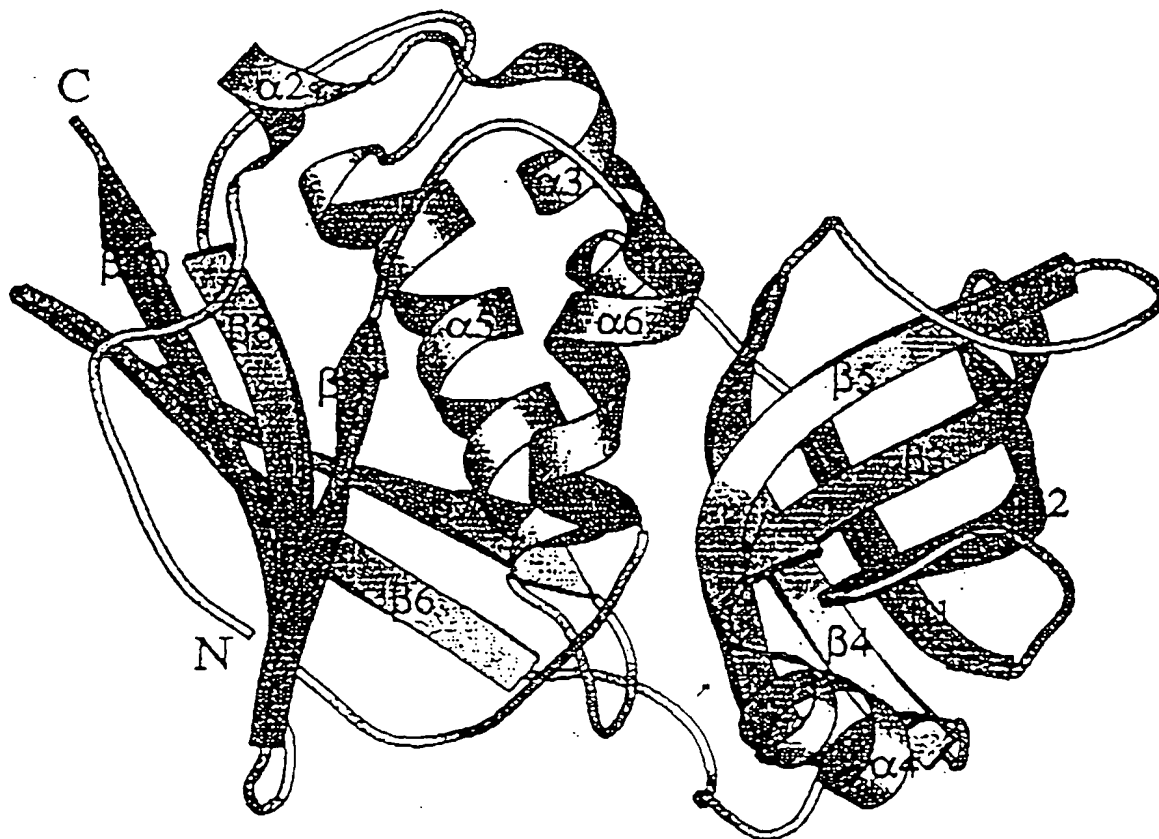


DOMAIN A



DOMAIN B

FIGURE 1

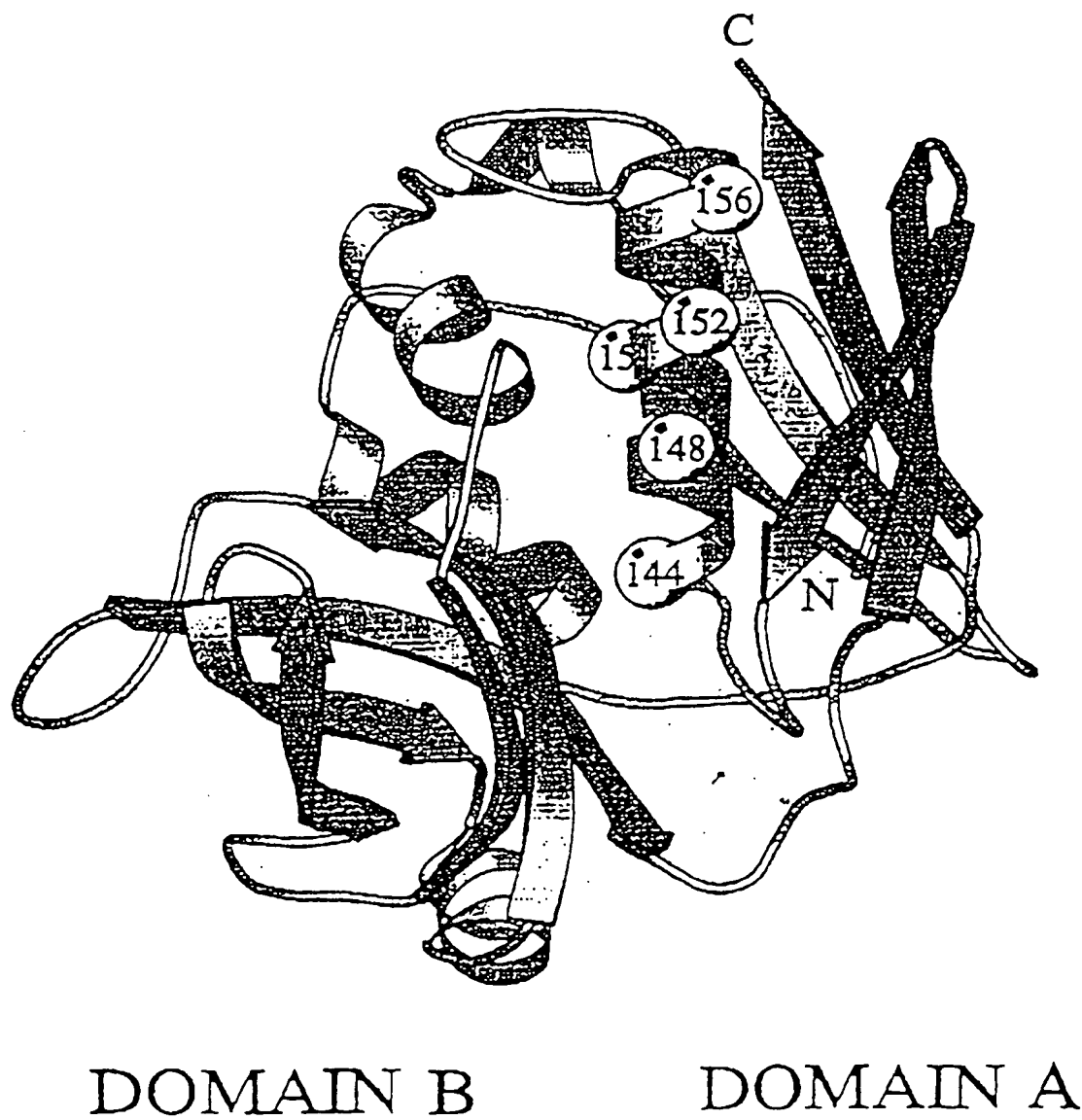


FIGURE 2

FIGURE 3

Figure 4

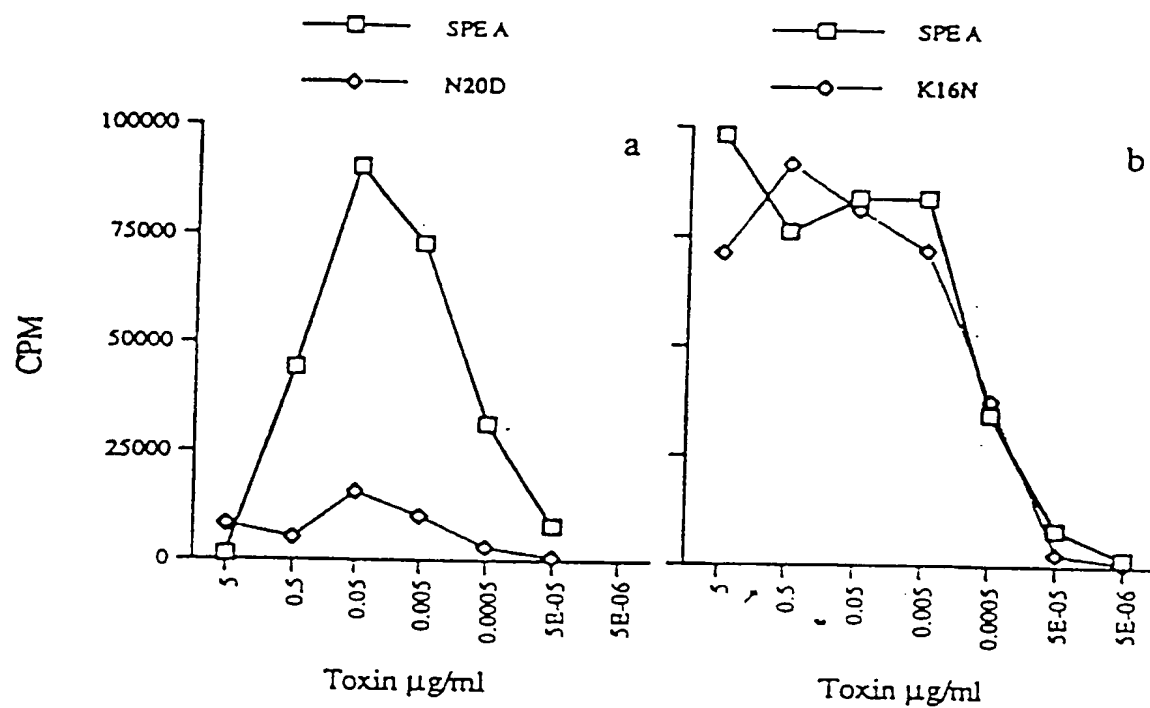


Figure 5

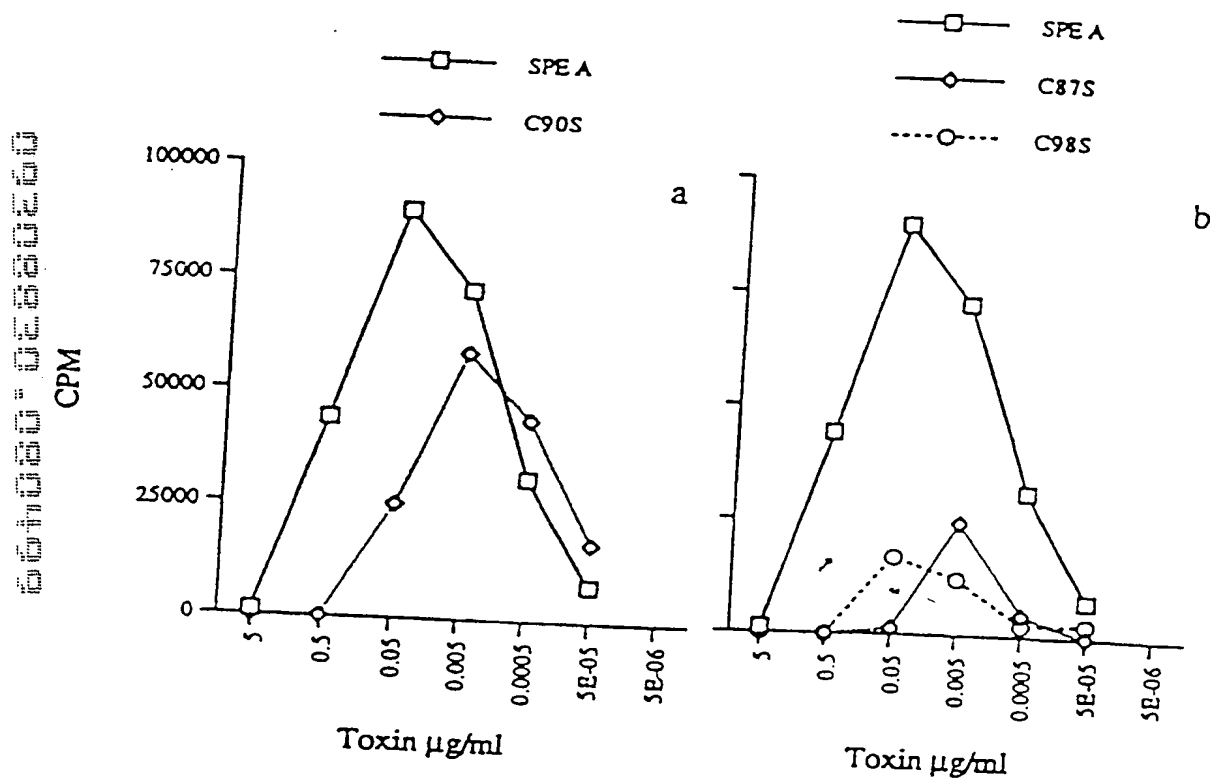


Figure 6

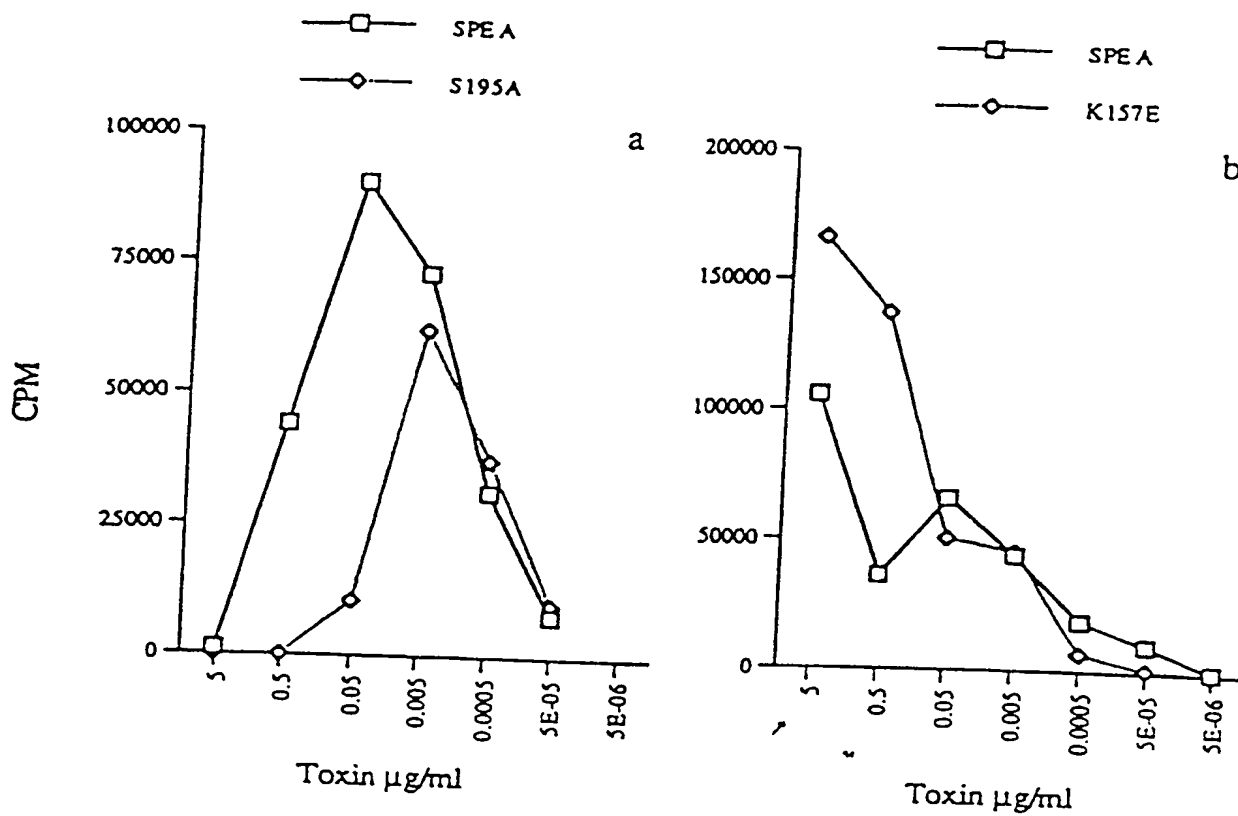
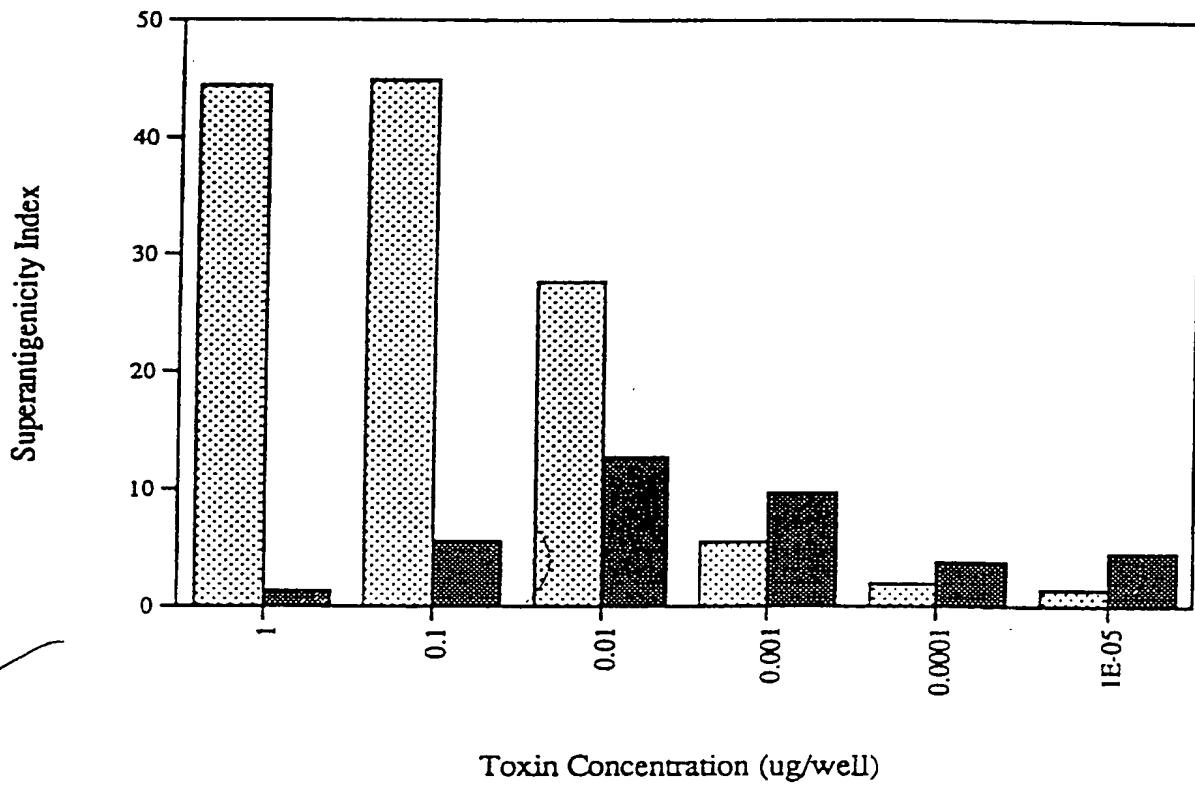


Figure 7

**A**

## Superantigenicity Index of SPE A vs. SPEA K157E



█ SPE A  
█ K157E

Figure 8

**B**

## Superantigenicity Index of Mutants of SPE A

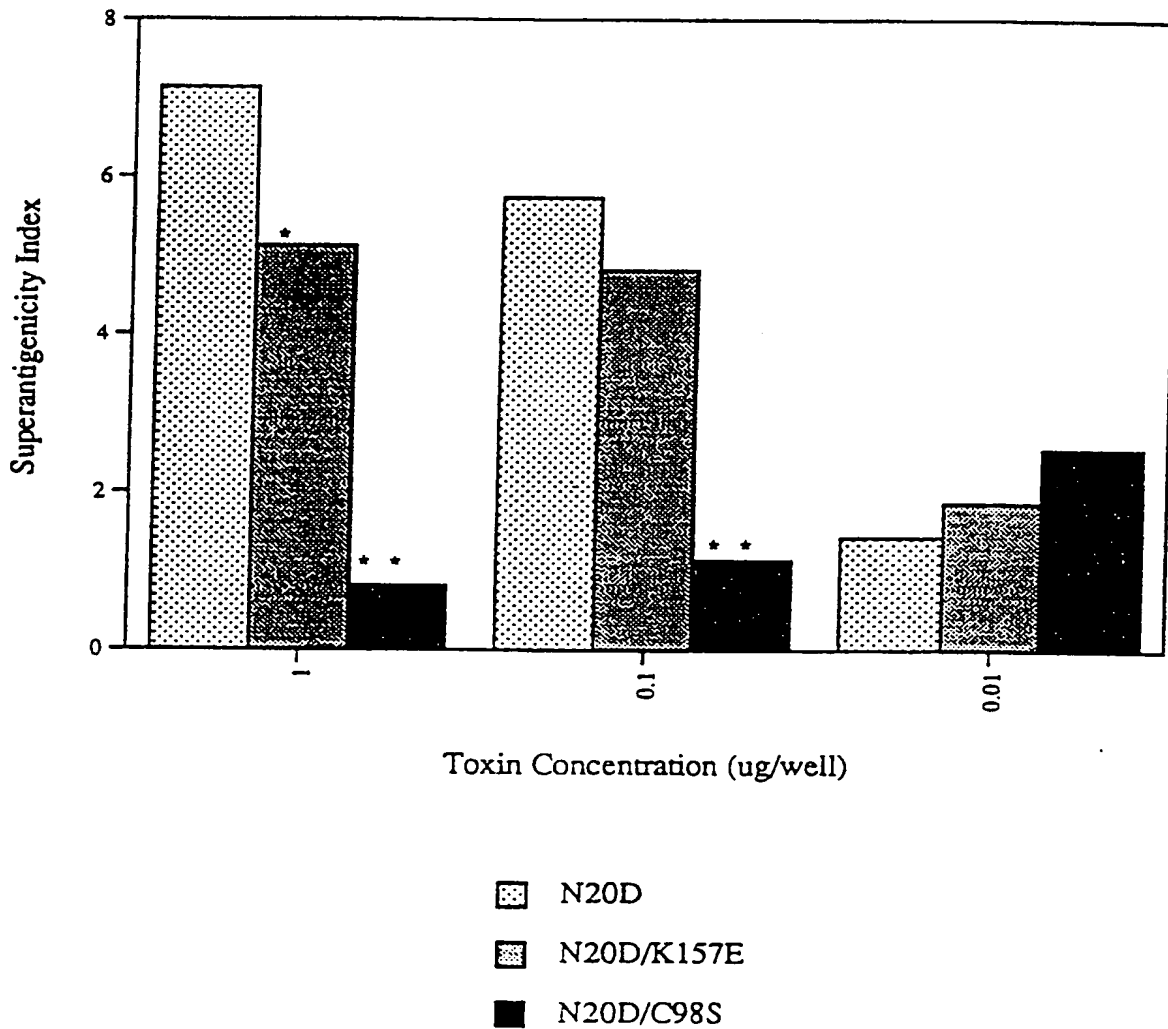
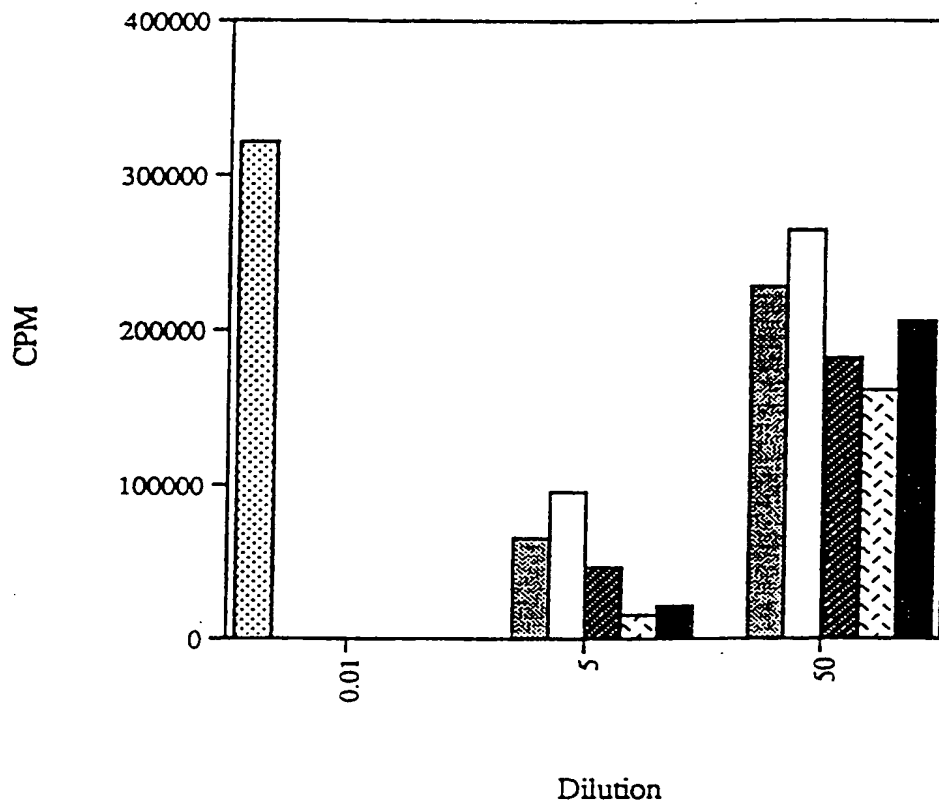
\* Significantly different from N20D,  $p < 0.01$ \*\* Significantly different from N20D  $p < 0.001$  at  
1ug,  $p < 0.001$  at 0.1 ug



Fig 9

## SPE A Inhibition by Immunized Rabbit Sera



SPE A, 0.01ug

xN20D + SPE A

xSPEA + SPE A

xN20D/C98S + SPE A

NRS + SPE A

xN20D/K157E + SPE A

# SPE A

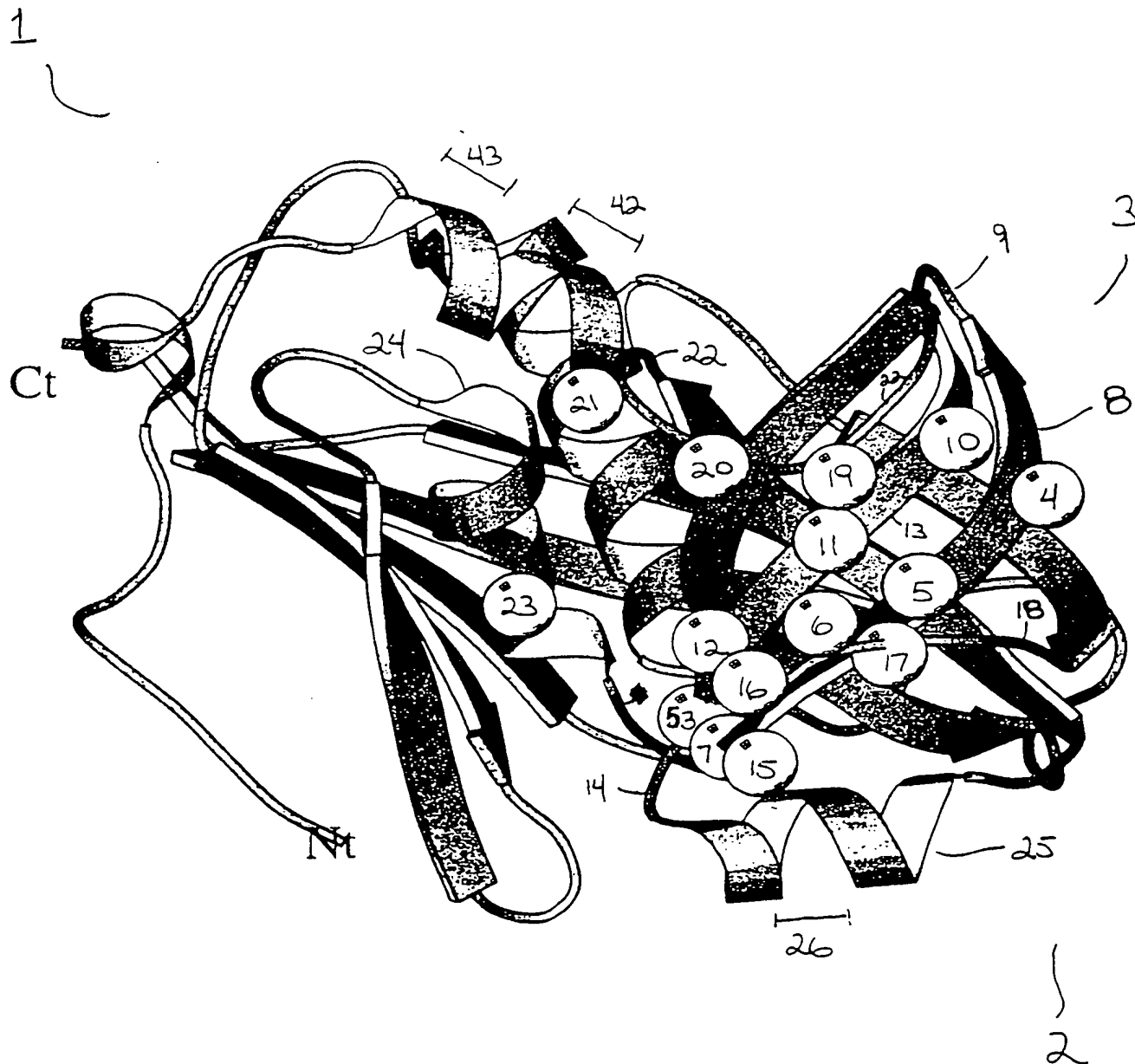
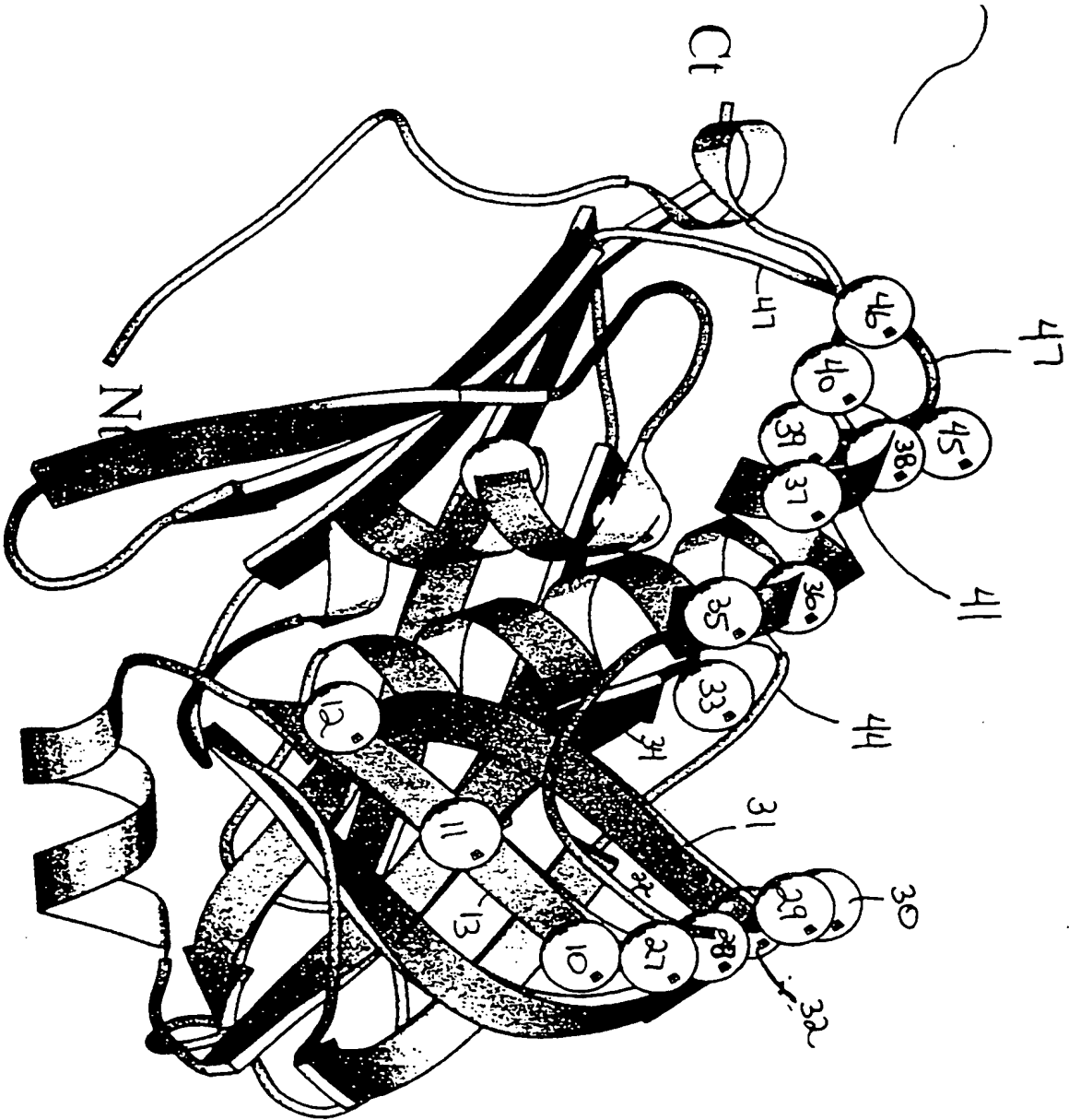


Fig 10

# SPE A

Fig. 11

1



3

2

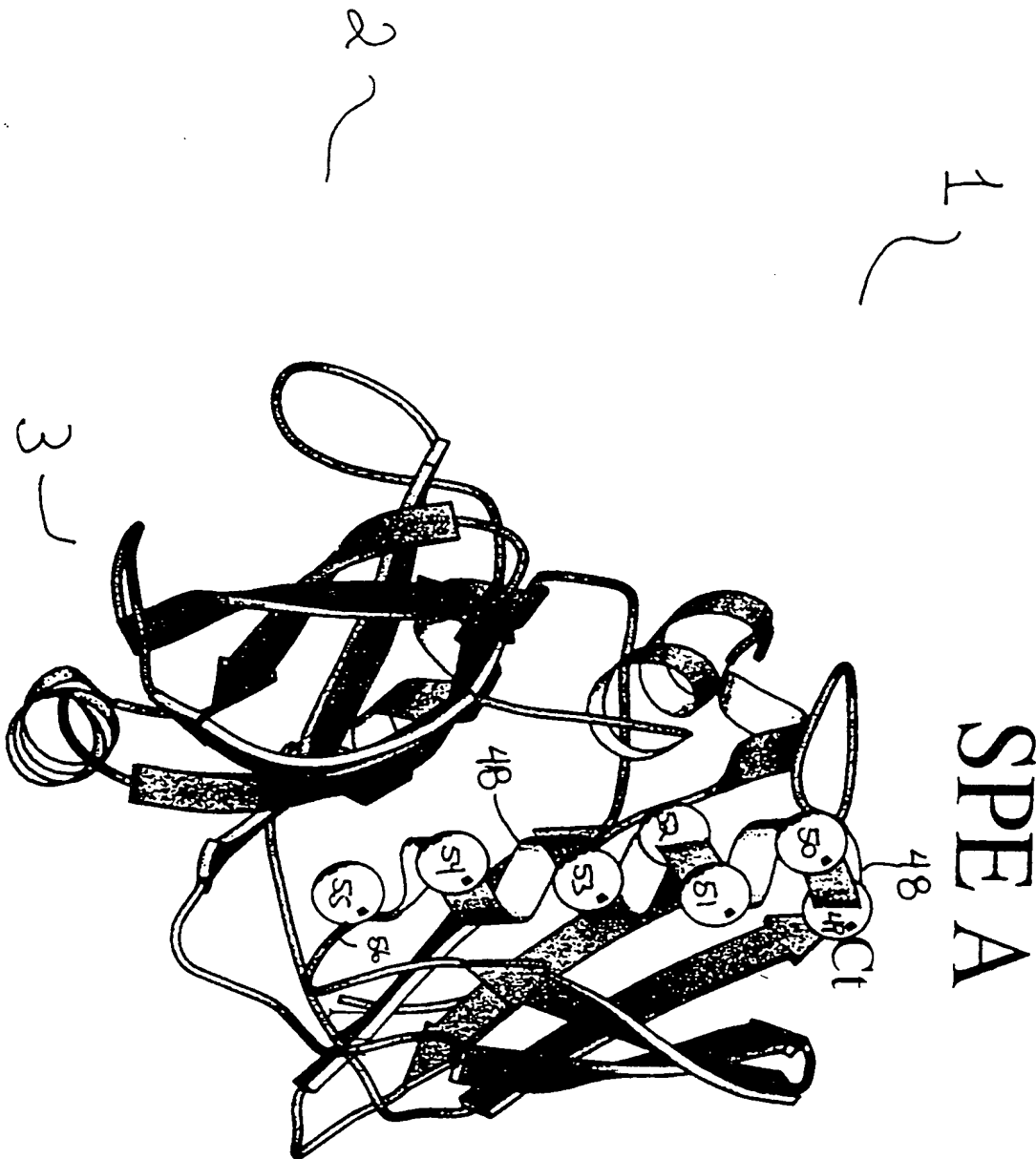
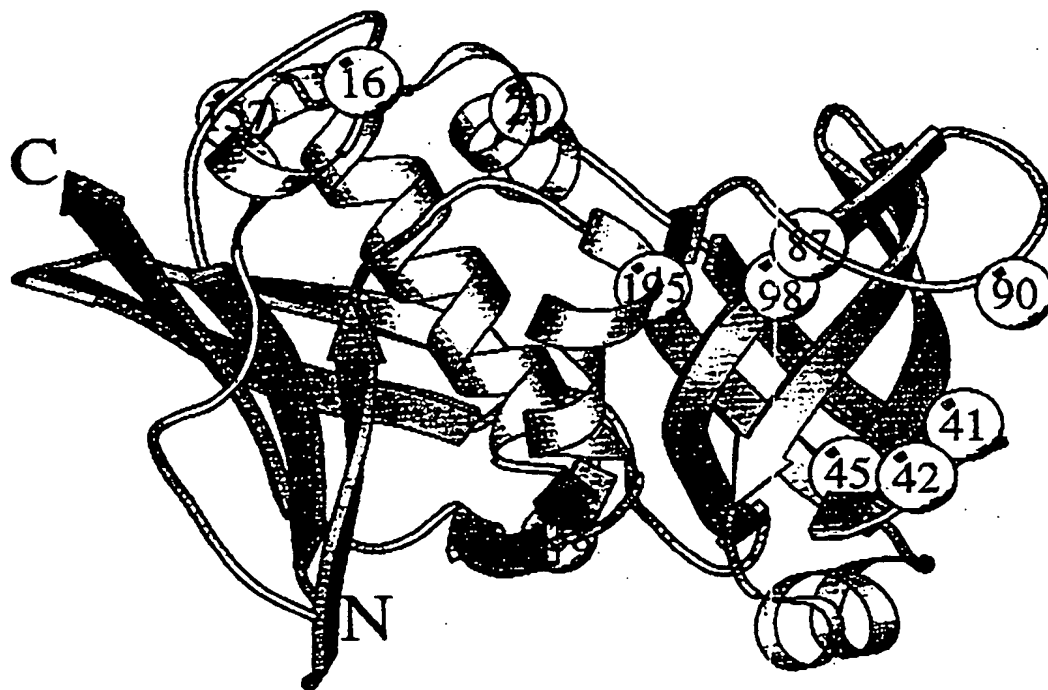


Fig 12

00200000-000400



Domain A

Domain B

Fig 13